E. Eng

FOUNDRY TRADE JOURNAL
Established 1902

Index to Volume 82

May to August, 1947

A

Aachen Foundry Congress, 358
A.F.A. elect New Officials, 213
Aluminium Casting Alloys, Effect of Dissolved Gas on Hot-tearing, 117
Aluminium Development Association, 36
Assessing Metal Values, 348
Austempering Cast-iron Cylinders, 246

B

Basic Cupola Practice, 7, 27
B.C.I.R.A. New Member Firms, 316
Belgium—Foundrymen's Visit to England, 134
Birthday Honours, King's, 171
B.I.S.R.A. Laboratories—Sketty Hall Opening, 227
B.I.S.R.A. Projects, 143
Blast Furnaces at Consett, 397
Bolts, Nuts and Screws, 125
Bonus Issues, Duty on, 134

Book Reviews:

Marginal Costing, 6
Statute Law Relating to Employment, 6
Stainless and Heat Resisting Steels, 80
Industry and Research, 98
Aluminium Alloy Castings, 124
Workshop Engineering, Calculations and Technical Science, 146
Laboratory Manual in Metallography, 146
Statistics for Beginners, 234
Plastics in Industry, 234
The Foreman's Guide (2nd Edition), 324
A Practical Theory of Mechanisms, 324
Practical Cost Accounts, 347
Production Costs and Estimates, 347

Brassfoundry—National Association, 12
British Blast Furnaces in June Quarter, 1947, 350, 351
British Non-Ferrous Federation, 222
British Standards, 112, 222, 380
Bronze Melts, Control of, 229
Bronze Melts, Control of—Discussion, 317
Bushing with Green Sand Cores, 370

C

Cars held up by Castings, 112
Casting, Precision, of High Melting Point Alloys containing Nickel, 205
Castings, Light, Manufacturers' Re-union Luncheon, 44
Castings, Sand, Copper Base Alloy, 116
Cast Iron, Impact Test, 6
Cast Iron, Research on, 246
Cast Irons, Heat-treated, Engineering Properties of, 53
Catalogues, New, 22, 98, 145, 234, 273, 290
Cellulose Derivatives used as Core Binders, 135
Centrifugal Casting of Copper Alloy Wheels in Sand Moulds, 257
Cheapening One-off Jobs, 280
Chemical Society Centenary, 222
Clay Industries, Production Plan, 172
Coal, Quality of, 90
Coke Merchants' Association, 112
Companies, New, 18, 108, 130, 240, 332, 373
Company News, 16, 40, 64, 84, 154, 176, 196, 214, 242, 264, 286, 305, 330, 354, 372, 400
Converters, Production of Carbon and Alloy Steels in, 275
Cook, F. J., Awards, 90
Copper Du[illegible]spended, 51
Copper, Uncertainty in, 147
Copper, U.S., Futures Trading, 172
Core Binders, Cellulose Derivatives used as, 135
Coreboxes, Metal, Additions to, 145

Correspondence:

Mr. T. A. McIntyre, 268
Pari-Blast Cupola, 268
Load-Extension Graphs, 290
Recruitment of Boys into the Foundry Industry, 316
A Larger B.I.F., 22

Crankshafts, Cast, Production of, 3, 23
Cupola, as a Precision Instrument, 75
Cupola, Basic, Practice, 7, 27
Cylinder Liners, German Spun, 119

D

Darwins, Limited, India Steel Company's Offer, 218
Dressing, Application of Hydro-blast to, 69, 91
Drysand Core is Suggested, 228

E

Engineering Industry, Rising Costs and Prices, 126

Exhibitions:

Building, 162
Engineering, Marine, and Foundry, 44, 158, 381

Exhibitions:
Enterprise Scotland, 358, 380
Industrial Wales, 200
Export License Controls, Revision of, 156

F

F.B.I., Sheffield's Industrial Problem, 172
Feeding, Some Notes on, 297, 319
Flasks, Moulding, Standardisation of, 118
Foundries of Yesterday, 336
Foundry, Opportunities 80, Correction 128
Foundry, Boys' Own, 12
Foundry Query, 380
Foundry Statistics 2, 51, 112
Fulmer Research Institute, 222

G

Gas, Dissolved, Effect of on Hot-tearing of Aluminium Casting Alloys, 117.
Gauge and Tool Advisory Council, 60
German Foundry Congress (First Post-war) 180.
German Industry, Reports on, 96, 180, 268
German Ironfoundry Industry, 221
Glacier Metal Co. May Borrow, 325
Government Restrictions Menace Trade, 34
Graphite Formation in Grey Cast Iron, 359, 391
Guest, Keen and Nettlefolds Prospects, 374

H

Hanover Trade Fair 200
Heat-treated Cast Irons, Engineering Properties of, 53
Holding Loose Pieces, 396
Hot-tearing of Aluminium Casting Alloys, Effect of Dissolved Gas on, 117
House Organs, 74, 146, 158, 233, 234, 273
Hydro-blast Application of, to Dressing and Sand Recovery, 69, 91

I

I.L.O. Industrial Committees, 349
Impact Test for Cast Iron, 6
Industrial Accident Prevention, 380
Industrial Wales Exhibition, 200
Infra-red Heating by Gas, 180
Inspection Procedure, Copper-base Alloy Sand Castings, 116
Institute of Australian Foundrymen, 22
Institute of British Foundrymen:
Annual Banquet, 201
Annual Conference, 1947, 181
Annual Report, 159
Awards, 1947, 97
New Members, 12, 233
New Metals for Old (Edward Williams Lecture), 185
Nottingham Conference, 90
Nottingham Conference Papers:
No. 875. Graphite Formation, 359, 391
No. 877. Feeding of Steel Castings, 297, 319
No. 878. Side-blown Converter Process 275
No. 880. Control of Bronze Melts, 229
No. 881. Precision Casting, 205, 223
No. 882. A.F.A. Precision Casting, 247, 269, 291
No. 884. Surface Drying of Moulds, 313, 343, 365
Presidential Address, 163
Technical Council Report, 167
Vote of Thanks to Retiring President, 200
Notes from the Branches:
East Anglia, 2
Wales and Monmouth, 2
London, 52, 141
South Africa, 52
Birmingham, Coventry and West Midlands, 68, 290
Institute of Metallurgists, 147
Institute of Metals (Autumn Meeting), 170
Institution of Engineers and Shipbuilders, 57
Instrument Research, New Laboratories, 246
International Nickel Company, 36, 44
Iron and Steel Board, 33
Iron and Steel Imports and Exports, 13, 103, 211, 304
Iron and Steel Industry, Italy, 137
Iron and Steel Institute, 44
Iron and Steel Markets, 20, 42, 66, 88, 110, 132, 156, 178, 198, 220, 244, 266, 288, 310, 334, 356, 378
Iron and Steel Output, April 1947, 82
May 1947, 172
Ironfounders' Midland Association, 102
Italy, Pig Iron and Steel Industry, 137

J

Japan, Private Trade with, 134

L

Labour, Restrictions on, 371
Leaders:
Costing Iron Castings, 1
British Industries Fair, 21
Properties of Alloys, 44
Changed Conditions, 67
Australian Foundry Conditions, 89
I.B.F., Vol. 39, 112
Westonite, 133 (correction, 158)
Research and the Smaller Firm, 157
Nottingham Conference, 179
Nothing Adds-up, 199
German Ironfoundry Industry, 221
The French Ardennes, 245
Modern Trends in Management, 267
The Garrett Report, 289
German Foundry Industry, 311
A.F.A. Technical Papers, 312
The Foundry and the Future, 335
The Foundry Exhibition, 357
A Plain Statement, 379
Licences (Pig Iron & Scrap) for New Foundries, 288
Light Alloys in South Wales, 200
Liners, Spun Cylinder, German, 119

M

Mechanisation, Papers from London Branch Competition, 99
Meehanite Research Institute, 169
Metal Box Company Seeking New Capital, 235
Metalock, 68
Metals, Nervousness in, 79
Mond Nickel Fellowships, 213
Moulding Flasks, Standardisation, 118
Moulding Machine, Practical Elements of, 45
Moulding Problems and Solutions, 113
Moulds, Some Notes on Surface Drying of, 313, 343, 365
Motion Study, 104

N

Nationalisation, Steel Industry, 36, 126
Nervousness in Metals, 79
New Blast Furnaces at Consett, 397
"New Metals for Old" (Edward Williams Lecture), 185
Non-Ferrous Metal Markets, 20, 42, 66, 88, 110, 132, 156, 178, 198, 220, 244, 288, 310, 334, 356, 378
Non-ferrous Metals, Consumption of, 82
Non-ferrous Scrap, Stock and Sales, 62
Northampton Polytechnic, 380
Nuts, Bolts and Screws, Control of, 125

P

Paragen Burners, 358
Parliamentary, 14, 37
Passports, 134
Patents, New, 86, 106, 130, 328
Patterns, Considerations in the Purchase of, 123
Patterns, Jointing, 258
Photography in the Foundry, 44
Pig Iron and Steel Production in Great Britain, 35, 81, 127, 212, 260
Pipe Foundry Re-started—Poland, 134
Piston Ring Companies Merger, 173
Planning the Output of the Pattern Shop, 364
Polish Pine Foundry Re-started, 134
Poles to Leave Engineering Industry, 325
Power Plants, Privately Owned, 56
Precision Casting of High Melting Point Alloys Containing Nickel, 205, 223
Precision Casting, Discussion, 337, 369
Preparation of Foundry Sands for Market, 255
Principles of Precision Investment Casting, 247, 269, 291
Production, Effect of Taxation on, 148
Publications Received, 32, 74, 98, 142, 210, 234, 370
Purchase Tax, 134

Q

Quicksilver Price Reduced, 60

R

Radial Arm Castings, Government Surplus Stores, 191
Radiography in Inspection, 139
Research Advisory Council, 82
Research Facilities for Scotland, 235
Research in Sheffield Industry, 90
Research in Sheffield Industry, One-day Conference, 104
Research, Mechanical Engineering, 116

S

Sand Castings, Copper-base Alloy Inspection Procedure, 116
Sand Recovery, Application of Hydroblast to, 69, 91
Scotland, Industrial Survey, 150
Scrap Supplies, 121
Screws, Nuts, Bolts, Control of, 125
Sheffield Industry, Research in, 90
Sheffield Industry, Research in, One-day Conference, 104
Shipbuilding and Steel Shortage, 173
Siemens, Capital, 57
Silicon, Freed from Control, 42
South African Interests of Vickers and A.E.I., 194
South America, Tees-side Trade with, 215
Standards, New British, 180, 112
Stanton Training Centre, 210
Statistics, Foundry, 112, 251
Steel Company of Wales, 62
Steel and Iron, April, 1947, Output, 82
May, 1947, Output, 172
Steel and Iron, Imports and Exports, 13, 103, 211, 304
Steel and Iron Industry, Italy, 137
Steel and Pig-iron Production in Great Britain, 35, 81, 127, 212
Steel Industry Nationalisation, 36, 126
Steel and Iron Markets, 20, 42, 66, 88, 110, 132, 156, 178, 198, 220, 244, 266, 288, 310, 334, 356, 378
Steel, U.S., Peak Output, 82
Stewarts and Lloyds, 150
"Stop-loss" Operation, 170
Store Design Competition, 134

T

Tees-side Trade with South America, 215
Templates, Wooden, 158
Time Study, 104
Tin, Malayan Stock Scheme to end, 38
Tin Metal Allocations, 325
Tinplate, Welsh Plan to go forward, 15
Tin, Position in U.K., 38, 156, 325
Trade Marks, New, 20, 66, 88, 108, 192, 378
Trade, Menaced by Government Restrictions, 34

V

Vickers, Limited, 148
Vitreous Enamel Finishes, 44
Vitreous Enamel Finishes, Testing, New Standard, 180

W

"Wanted a Lifebelt," 274
Wasters Due to Core-Reinforcements, 258
Wetheril! Vacuum Casting Process, 358
W. H. Whittle Foundation, 303
Wolfram, Price Raised, 15

Authors' Index

Appleton, Sir Edward, 185
Baker, W. A., 229
Becher, H. J., 137
Buchanan, W. Y., 69, 91
Bullock, F. J., 45
"Checker," 138, 396
"Chip," 258
"Corona," 258
Cotton, P. S., 205, 223
Cousans, F., 275, 313, 343, 365
Cracknell, A., 313, 343, 365
Darby, A., 280
Evans, H., 205, 223
Finch, S. L., 297, 319
Geist, K., 247, 269, 291
Goettman, F. G., 255
Gudgeon, W., 228
Harris, T. H., 336
Jane, S., 113
Kerr, R. M., 247, 269, 291
La Grelius, E. L., 139
Lees, D. C. G., 117
Morrogh, H., 359, 391
"Onlooker," 79, 147, 170, 274, 348
Squires, A. G., 364
Templeton, R. B., 3, 23
Thexton, J., 205, 223
"Tramp," 370
Tucker, R. C., 75
Williams, W. J., 359, 391

Printed by Harrison & Sons, Ltd., London.